ABSTRACT OF THE DISCLOSURE

Light having polarization is irradiated onto an article, and a variation of polarization of the reflected light from the article, and then quality of the article is diagnosed using a pre-input correlation function between quality of the article and a variation of polarization.

Further, quality of the article is diagnosed by measuring a reflection absorbance difference or a reflection absorbance ratio of light from the article between two wavelengths and by measuring a depolarization degree of polarized light of the reflected light from the surface of the article.

The quality of the article can be non-destructively diagnosed using a simple system. Further, defect can be identified on factor-by-factor basis.